



COFFEE INDUSTRY

NEWSLETTER

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MISSION STATEMENT

The Coffee Industry Corporation has been formed to promote and support the continuing development of a sustainable coffee industry in Papua New Guinea which will: (a) maximise financial returns to all coffee producers, and (b) contribute to the government's economic and social policy goals.

EDITORIAL

This quarter of the year has been hectic for the CIC and the industry as a whole.

On July 18, CIC launched the PNG Coffee Industry Strategic Plan 2008 - 2018. This Plan was achieved through a collaborative effort of industry players that will propel the country's coffee industry into the next decade and beyond. The PNG Coffee Industry Strategic Plan complements the Government's Medium Term Development Strategy (MTDS) and the National Agriculture Development Plan (NADP). The CIC, as the entity responsible for coffee, acknowledges and values the contribution of various partners in the development of PNG's coffee industry.

The industry stakeholders have taken a holistic approach to create a new vision to promote production, processing and marketing of PNG coffee. And to achieve the aspirations and visions of the Strategic Plan requires the support of major players of the coffee industry including farmers, processors, buyers, exporters and roasters, the government, donors and other strategic partners.

The Coffee Curriculum was another major highlight for the industry this quarter. The Coffee Curriculum for PNG Schools was launched in October 10 by His Excellency, Grand Chief Sir Paulius Matane, yet another milestone achievement for the industry. This Curriculum hopes to train the important target audience, the youth, to become the next generation of coffee farmers of the country.

Again, this issue covers more interesting news from the industry to keep readers abreast of events and other coffee development in the country.

We are still very much interested in knowing your experiences with coffee to publish in this newsletter so that the whole industry is informed. Let us know.

This year has been a good year for the industry and we look forward to working together next year to move the industry forward, by grasping our vision: *Enjoy PNG Coffee - Rich in Aroma and Culture*.

I wish you all a Merry Christmas and a prosperous New Year 2009!

"Yumi Lukautim Kofi na Kofi bai Lukautim Yumi"

Yvonne N NGUTLICK

Editor

Cover pictures

- Top : His Excellency, Governor General Paulius Matane launching the Coffee Curriculum
 Middle : Parliamentary Committee during their visit to Coffee Research Institute, Aiyura
 Bottom : CIC Officers in traditional attire pose during the Strategic Plan launching

Chief Executive Officer's Desk

Coffee is undeniably the leading cash crop that directly benefits growers who are mostly the rural populace.

As CEO of a commodity industry that supports well over 2.5 million people of Papua New Guinea, I am proud that we have stepped into a new chapter to move the industry forward with the PNG Coffee Industry Strategic Plan 2008 – 2018.

The thrust of the Plan is to support the development of a sustainable and competitive coffee industry in PNG which will maximise financial returns to the coffee producers and contribute to the Government's economic and social policy goals. The PNG Coffee Industry Strategic Plan emphasises a "paradigm shift" where the industry players shift away from the norm of doing things and venture into innovative approaches to move the coffee industry forward.

The Coffee Curriculum for PNG Schools is one innovative approach to compliment the CIC's extension services. I am honored to launch another home grown intervention in partnership with the National Department of Education. Many other stakeholders have contributed and among them are the Agriculture Education section of the University of Goroka and our dedicated staff within the CIC.

Efforts in bringing coffee knowledge and skills closer to coffee growers have been tough, especially with limited resources. Thus CIC has partnered with the formal education network provided by the National Department of Education to deliver coffee knowledge to our next generation of growers.

The need still exists for organizations to embark on the Private-Public Partnership (PPP) concept to ensure effective and efficient delivery of services. CIC fully embraces this concept and we look forward to working with our new and existing partners.

We thank the Government for releasing funds earmarked for coffee under the National Agriculture Development Plan (NADP). K3 million from the K100 million NADP funds has been allocated for coffee. Three districts in the highlands will initially benefit from the district by district rehabilitation program that starts in 2009.

Finally, as this year ends, I would like to wish all our stakeholders and your families a Merry Christmas and we look forward to working together in the New Year 2009.

Ricky M MITIO, ML
Chief Executive Officer

Acknowledge the Coffee Industry Corporation Ltd when extracting material from this Newsletter

Staff News

Arrivals

Billy KEWA

Mr Kewa joined CIC in May 2008 as an Accounts Clerk, based at the Head Office in Goroka.

Prior to joining the Corporation, Mr Kewa was with the PNG Forest Authority, Goroka office.

He has a Diploma in Accounting from Goroka Business College.

Mr Kewa is from Western Highlands Province.

Aluken OMENA

Mrs Omena is attached with the Accounts section at the Head Office as an Accounts Clerk.

In 1987, Mrs Omena graduated from Sonoma Adventist College after completing her studies in Business. Then in 2006, she passed out of Goroka Business College with a Diploma in Accounting.

Francisca KERENGA

Ms Kerenga is the new receptionist/switchboard operator at the CIC headquarters.

Previously Ms Kerenga was employed with Farmset Ltd, Goroka branch also as a receptionist.

She passed out from Goroka Business College after completing her Secretarial studies.

Marvin PAISAWA

Mr Paisawa is CIC's Geographic Information System (GIS) Officer.

He joined the team in August 2008.

Marvin holds a Bachelor in Cartography, passing out from the PNG University of Technology in 2002.

Previously he was employed by Geo-Graphics Ltd in Port Moresby.

Under the Farmer Training & Extension section, there had been a number of recruitments.

Name	Designation
Paul Gilma	Freight Surety Officer
Rodney Pexcy	Mobile Extension Officer (MEO) to Western Highlands Province
Samson Wongi	Mobile Extension Officer (MEO) to Southern Highlands Province
Michael Toliman	Mobile Extension Officer (MEO) to Morobe Province
Benjamin Kasito	Mobile Extension Officer (MEO) to Sandaun Province

Redeployments

Name	Kessy Kufinale
Previous Designation	Chief Economist
Current Designation	Senior Socio-Economist
Name	Colleen Nambari
Previous Designation	CEO's Personal Assist.
Current Designation	Compliance Officer
Name	Christopher Miku
Previous Designation	Assist. Export Officer, Lae
Current Designation	Assist. Coffee Insp, Gka
Name	Stilla Frisu
Previous Designation	Inspector, Goroka
Current Designation	Food Techn/Qty Cont., Lae
Name	Kevo Kongona
Previous Designation	Assist. Personnel Officer
Current Designation	Personnel Officer

Study Leave

Leo AROGA

Mr Aroga is CIC's Training Coordinator based in Aiyura, EHP. He is currently doing his postgraduate studies at Curtin University of Technology, Australia.

Mathilda HAMAGO

Miss Homago is also studying at the Curtin University of Technology. She is CIC's Training Officer based at the Research & Grower Services Division at Aiyura.

Mark KENNY

Mr Kenny has just returned from his five-year PhD studies on Biology & Ecology Control of Berry Disease of coffee at the University of Queensland, Australia. He is awaiting the award of his PhD studies.

Departures

Saki IPATA

After serving CIC for over 10 years in various capacities and finally as a Financial Controller, Mr Ipata resigned for further endeavours. His service has contributed to transparency and accountability within the organisation and externally.

PNG Coffee Handbook

This publication covers CIC's recommendations on the production of Arabica coffee in Papua New Guinea. Topics such as nursery practises, coffee husbandry practises, processing and control of pest and diseases of coffee are covered.

It is a good reference book for coffee farmers, extension officers, teachers, students and those interested in coffee.

Price: K27.50 (VAT inclusive) plus K5.00 postage (local) US\$50.00 (overseas)

If you want a copy, write to:

The General Manager
Research & Grower Services Division
P O Box 470, **UKARUMPA**, Eastern Highlands Province 444
Papua New Guinea

Telephone: (675) 737 3511, 737 3518 Facsimile: (675) 737 3524
Email: cofres@datec.net.pg

Industry News

Landslide disrupts coffee busi-

The major landslip along the Okuk Highway at Gera in the Simbu Province in April this year caused havoc to coffee business in the country.

Effect of the landslip was experienced by the whole Highlands region.

The landslip occurred at the beginning of the coffee season, which held back 70 - 80% exportable coffee from being transported to Lae for shipping.

Coffee being a stimulator for other economic activities of the Highlands region, the CIC was concerned at the industry being under serious threat by the complete closure of the Highlands Highway.

Following an Emergency Board meeting at that time, a delegation comprising of players in the industry travelled to Port Moresby to inform the Government first hand of the situation. A meeting with the Deputy Prime Minister, Honourable Puka Temu, MP, eventuated, together with members of the Business Council of PNG whose business operations were also disrupted by the landslide.

The Highway closure also led to other social and economic problems in the entire Highlands region. The wider cross section of the community were affected by the soaring food prices, shortage of fuel, lack of transport, health and education services as inflation took its toll on the people.

A by-pass was created which allowed much of the coffee to flow into the markets for export.

The landslip section of the Okuk Highway was then reopened and all operations are back to normal.

Wet Mill Opens in Kainantu

Coffee business in Kainantu, Eastern Highlands Province is set to expand following the opening of Superior Coffee Wet Factory in May at Zabungka village.

Superior Coffee is a registered business arm of Superior Enterprises Ltd. It is the current titleholder of Ondu Coffee Plantation. The plantation is the second largest in Papua New Guinea with 300 hectares.

During the opening ceremony, Superior Coffee general manager, Andrew Kalupio, told the people of Zabungka that the new factory was a community project and will be the ignition to other economic activities in their community.

The infrastructure was built at a cost of about K300,000 with no assistance from any funding institutions. The business aims to add monetary value to existing coffee, be a motivating force behind coffee rehabilitation and increased production, educate farmers to improve processing to acquire quality coffee and encourage farmers to sustain their coffee production.

Based on the determined dream of managing director, David Vaso, Superior Coffee Wet Factory was built to take part in the lucrative coffee business present in Kainantu and other districts of the Eastern Highlands Province. Superior Coffee intends to close up the gap of price differences between Kainantu and Goroka.

Coffee Industry Corporation's research division general manager, Mr Potaisa Hombunaka, confirmed CIC's commitment to working with Superior Coffee. Mr Hombunaka announced that the wet factory was in line with CIC's policy of central wet factories to control processing and production of quality coffee.

Coffee consultant Anton Buro (now CIC Senior Inspector) challenged Superior Coffee and its management for the factory to have impact on the community, coffee quality and PNG's coffee industry. Mr Buro urged the community to work towards the vision of exporting coffee from Kainantu .

Superior Coffee hopes to work with existing coffee growers, processors, exporters and other industry stakeholders.

Parliamentary Committee visits Coffee Research Institute

By Reuben W SENGERE
Scientific Liaison Officer

For the first time a parliamentary delegation visited CIC's Coffee Research Institute based in Aiyura. The Parliamentary Committee on Agriculture and Natural Resources headed by Malakai Tabar, MP for Gazelle Open in ENBP was impressed with research and development activities within CIC. The delegation included Honorable John Boito, MP for Obura Wonenara, Deputy Governor for Eastern Highlands Province and Deputy Chairman of the Committee, Honourable Dr Bob Danaya, MP and Governor of Western Province, Honorable Andrew Mald, MP for Port Moresby North East, Honorable Michael Sapau, MP and Governor of Manus, and MP for Kiriwina/Goodenough, Honorable Jack Cameron.

Mr Tabar mentioned that CIC needs to increase manpower especially in extension so that it effectively services the growers. He also admitted that the government's lack of financial support to CIC as the service provider for the country's coffee industry. The Gazelle MP continued that his committee will support CIC to have its recurrent budget from the government reinstated.

The CIC Research & Grower Services Division, Mr Potaisa Hombunaka pointed out that if the government is serious about development in the rural communities then it should use the coffee industry as a development tool as coffee is grown in 15 of the 20 provinces of the country.

The delegation was impressed with activities on the station and visited several sites. Earlier, the parliamentary committee visited the CIC head office in Goroka and were briefed on the status of the Coffee Berry Borer - a coffee pest that is prevalent in the Indonesian province of West Papua.

East New Britain takes its stand in the industry

By Rose ROMALUS
Senior Quality Control Officer

East New Britain has established its place in the coffee industry of the country after the East New Britain Coffee Growers Cooperative Association (ENBCGCA) received a certificate of recognition for its initiative and involvement in the coffee industry in the 'new growth areas' category.

This was awarded to them during the launching of the PNG Coffee Industry Strategic Plan 2008-2018 in July, and was received ahead of all coffee growing provinces in the country. ENB had been a target area for new growth areas.

The ENBCGCA have gone further to acquiring skills during a first-of-its-kind coffee quality workshop held in ENB in July. The farmers showed enthusiasm, which was evident in 70 participants graduating with certificates.

Compared to other commodities in the province, cocoa and copra, this was the first time for the participants to be educated on the overseas markets and the requirements in terms of quality and supply. The training exposed the participants on the kind of prices that overseas buyers offer and how it trickles down to exporters, processors and the farmers.

The ENBCGCA have delivered timely to foster its new industry: increasing plantings per hectare in 2006, setting up wet processing plants in 2007, establishing dry processing facilities in 2008 and in 2009 apply for an export license which is still in progress.

East New Britain Provincial Government has given much to the association in ensuring that the new industry is sustainable. ENB Governor, Honourable Leo Dion, presented a cheque of K20,000 to the group as well as a commercial electric grinder.

Statistics show that there was an increase from 184 hectares of coffee to 600 hectares, increased production from 147 to 480 tonnes. CIC aims to back up ENB growers with services to train farmers in proper coffee processing techniques, inform farmers on coffee marketing systems and position ENB growers to get maximum value for their product.

Paradigm Shift for the PNG Coffee Industry

The launching of the PNG Coffee Industry Strategic Plan 2008-2018 on July 18 2008 at the University of Goroka was the birth of a new era for the country's coffee industry. The industry stakeholders developed the Strategy to support the development of a sustainable and a competitive coffee industry in Papua New Guinea.

The PNG Coffee Industry Strategic Plan emphasises a "paradigm shift" where the focus is on the growers and to revive the spirit of key players of the industry to continue working on coffee. The paradigm shift looks at innovative ways to move the industry forward.

The Strategy aims to maximise financial returns to coffee producers and contribute to the Government's economic and social policy goals.

Through the Plan, the Coffee Industry Corporation Ltd (CIC) will provide leadership and support services to the industry.

The strategic framework captures the three main pillars that will move the industry forward in the next decade and beyond:

1. Increased and consistent production of high quality coffee so that producers obtain premium prices;
2. Increased awareness of PNG coffee locally and internationally and;
3. Enhanced CIC institutional capacity and governance to ensure that there is efficiency and effectiveness in the operation of the organisation to better serve the stakeholders.

The PNG Coffee Industry Strategic Plan will drive the industry forward with refocused avenues for the industry to be better enhanced and more sustainable.

The Plan was launched by Eastern Highlands Province Deputy Governor and Member for Obura-Wonenara, Honourable John Boito.

The launching day was embraced by the vision for the industry "Enjoy PNG coffee rich in Aroma and Culture", with staff of CIC dressed in traditional attires and proudly PNG made coffee products on display as well as a role play performed by the staff depicting the impact of coffee on the lives of people.

The Plan captures principles of the MTDS and the NADP and compliments the aspirations of the National Government.

Coffee is grown in 15 of the 20 provinces of the country and has the potential to grow the PNG economy.

PNG Coffee Festival - another big hit

The PNG Coffee Festival proved bigger and better this year. Visitors flooded the show gates right throughout the event weekend of May 8 -10th.

Business houses and various institutions participated in displaying their products and services. Students from schools around Eastern Highlands Province were also part of the crowd visiting display stalls trying to gain knowledge of the PNG's vibrant coffee industry.

The PNG Coffee Festival aims to inform the public of the coffee industry and the many benefits that derives from it.

The event elevated the profiles of organizations that contributed to its success.

Minister for Agriculture & Livestock, Honorable John Hickey, officially opened the 2008 PNG Coffee Festival.

Coffee Curriculum - Milestone achievement for the industry

The Coffee Industry Corporation (CIC) Ltd in collaboration with the National Department of Education is proud to introduce this history making, industry driven, coffee curriculum for the education system in Papua New Guinea. The first edition is a trial edition which will be piloted in selected schools in 2009. The CIC is expected to trial the coffee curriculum in five of the 15 coffee growing provinces of PNG. Six schools (two each from the Primary, Secondary and Vocational Schools) will be used for the trial phase.

Coffee growing provinces have been selected for the pilot of the curriculum in the school year 2009, namely Western Highlands, Eastern Highlands, Simbu, Morobe and East Sepik Provinces.

Coffee extension taxes so dearly on time, money and other limited resources. Though expensive, the importance of coffee to the nation and her people cannot be cheaply denied. Thus, partnership with existing systems and organizations to bring coffee knowledge closer to the people is inevitable. One such system is the education network of the National Department of Education.

The Coffee Curriculum was developed to educate and train students with the appropriate coffee knowledge and skills to be productive and purposeful citizens in the community. The Coffee Curriculum compliments the already existing coffee extension and training programs. It coincides with the PNG Coffee Industry Strategic Plan 2008-2018, launched in July this year.

The Curriculum package is a milestone achievement directly linked to two of the pillar education philosophies of PNG Government – “Relevance in Education” and “Making a Living” syllabus. It also compliments the PNG Coffee Industry Strategic Plan namely to “implement a Coffee Curriculum”.

Funding assistance came from the Australian Government through the Agricultural Innovative Grant Facility (AIGF). The National Department of Education – Curriculum Development and Assessment Division and the University of Goroka–Agriculture Education and CIC for coffee technical information are acknowledged for their contributions in making the coffee curriculum user-friendly.

The Coffee Curriculum consists of four curriculum documents: Upper Primary Coffee Units (Grades 6-8), Secondary Coffee Units (Grades 9-12), Teachers Resource Book for Upper Primary and Teachers Resource Book for Secondary Schools. The fifth document is the Coffee Reference Manual containing scientific coffee information with coloured pictures to support the coffee units and teachers resource books.

A truly national curriculum: GG

The launching of the Coffee Curriculum was officiated by His Excellency, Governor General, Grand Chief Sir Paulius Matane on the 10th of October 2008 at the Mark Solon Auditorium, University of Goroka.

In his keynote address, His Excellency acknowledged this first ever industry-driven curriculum by one of the country’s major agricultural industry.

“The coffee curriculum being launched is the first to make education relevant for our people. It is my view that, in partnership, we can achieve great heights in educational achievements, and provide for quality educational achievements for our children while, at the same time, address low coffee production, improve coffee quality, enable a cash income for the people growing coffee and make life worth living in the community through coffee,” said His Excellency, Sir Paulius Matane.

The Governor General also emphasised on the coffee curriculum being significant as it was “a truly national curriculum”, developed, printed and to be trialed by Papua New Guineans in the coffee industry.

“It shows that we are not just mere consumers of knowledge given to us by experts from overseas, but it (the Coffee Curriculum) is developed by a truly national team of technical and education specialists,” complimented the Governor General.

He also called on other agriculture industries to follow this initiative, set money aside to help prepare youths with the high level of competencies in the knowledge and skills of specific agriculture industries, so that the youth is equipped with relevant, appropriate employable skills to live off the land and make useful and meaningful contributions to their communities.

SSSPP farmers graduate

Public – Private Partnership (PPP) concept gains momentum as farmers from Gotomi in the Lufa District of Eastern Highlands Province graduated in October under the Smallholder Support Services Pilot Project (SSSPP) of the provincial Division of Agriculture and Livestock (DAL).

The participants were trained in coffee, honeybee, sheep and poultry farming through projects contracted out to service providers.

Present at the ceremony was Lufa Member of Parliament, Honourable Yawa Silupa, who stressed the importance of agriculture: “The Government of today is looking at agriculture to drive the economy so we must take advantage of this through such trainings and projects as the SSSPP,” said Honourable Silupa.

During his presentation, the member made a commitment for a vehicle for Lufa’s Agriculture and Livestock division. Honourable Silupa further talked on coffee as being the main cash crop of the area and committed to making half a million kina available for Lufa coffee and technical advise, skills and knowledge from the Coffee Industry Corporation (CIC) to emphasis the PPP concept. These commitments are to be delivered next year through the Lufa District Development Plan.

Training participant and coffee project owner, Mr Belden of Fima Coffee said that under SSSPP, the group produced 10,000 seedlings in poly bags and distributed ten seedlings each to all members of the Fima community. There are now 20,000 seedlings in the germination bed. Mr Belden embraced the PPP concept as the way forward for the coffee industry of Lufa District to produce high quality coffee.

CIC Research & Grower Services Division General Manager, Mr Potaisa Hombunaka, said the Public-Private Partnership of CIC and EHPDAL eased the burden of limited resources and worked well for farmers as the coffee farmer is also involved in other agricultural activities.

Eastern Highlands Deputy Provincial Administrator, Mr Solomon Tato, challenged the farmers to utilise their skills and further challenged the EHPDAL find markets for the goods and work for improved market access.

The SSSPP aims to make support services easily available to smallholder farmers and accomplish the goal of increasing agricultural production within the framework of a sustainable farming environment. The SSSPP is a delivery system that assists farming communities to meet their needs because farmers themselves identify the tasks that the service providers undertake.

The SSSPP was funded by Asian Development Bank and ended in December 2007. The programme continues with funding from the Eastern Highlands Provincial Government.

Nauro Gor receives award

The United Nauro Gor Community of Migende, Simbu Province, has set a model for all communities to adhere to in cracking down lawlessness and achieving economic returns through sustainable community projects.

The Gor Community Base Laws & Policing launched their coffee project in Gor and received their award from the Coffee Industry Corporation (CIC) Ltd for being an outstanding community in taking ownership of the Coffee Cherry Trade Policy.

This award was presented to them during the PNG Coffee Industry Strategic Plan (2008-2018) launching at the Mark Solon Auditorium, University of Goroka. However, upon receiving the award, Chairman of the Nauro Gor Community, Mr Joe Nopro, reverted the award to CIC and requested for an official presentation in Gor in the presence of the Community.

The United Nauro Gor Coffee Development Program has 17 clusters working together as a group to market their produce. They have so far sold 59 bags earning K14,000. Coffee nurseries are also well established in the community.

After 32 years of tribal fighting and social unrest, the Community Base Law & Policing was initiated by Catholic priest, Fr Jan Jaworski, when he realised that less number of people were attending church every Sunday because they were preoccupied with their tribal warfare.

During his keynote address, CIC CEO, Mr Ricky Mitio, encouraged the people of Gor to hold on to coffee and "respect coffee" as it were a member of their family. He urged the community to forget the past and focus on the future and make a change for the better.

Member for Kundiawa/Gembogl, Honourable Joe Mek Teine, upon complimenting Fr Joworski for his efforts in bringing the community together, said: "Today is a historical moment because it marks the return of the coffee industry of Gor and Simbu Province".

Honourable Teine stressed that for the past 20 years there had been no political direction and standing for the coffee industry of the nation. Coffee is important but its importance is often overshadowed by the mineral wealth of this country, which will one day run out but coffee will be here.

"Since my inception with the Government, I have fought hard for coffee and will continue to," pledged the Member.

Simbu Chief Police Inspector commended the community for being committed to bringing change to their community and promoting peace and harmony.

In his closing remarks, Chairman of the Community, Mr Nopro urged the community that there was no resting time for them. "We have wasted enough time fighting and now we must work," said the Chairman.

The United Nauro Gor Community Base Laws & Policing began in 2006 when 63 community base police men graduated and an additional 30 policewomen graduated during their first anniversary in 2007. The initiative has restored the peoples' dignity to look forward for a better future.

Simbu coffee update

Following reports of coffee pest outbreak in the province, quarantine measures in Simbu province have been on-going. Boom gates were operating at three locations: Barawagi, Lodge Paia in Kundiawa town and Mata in the Sinasina/Yogomugl district to conduct the movement of coffee to and from the province.

Spot checks at the boom gates were done by police and CIC officers on vehicles transporting coffee to ensure that no affected coffee leaves the province. Damaged coffees have been confiscated for further analysis to presume its quality.

Traps were set up in six districts of the province including Watabung in the Eastern Highlands Province and Minj in the Western Highlands Province. Affected coffee beans were evident in gardens, however, during the course of this exercise in the province, other insects were suspected to be involved. Extensive scientific research is necessary, thus networking is immediate.

National and international teams were assembled to further evaluate and reassess on-the-ground situation and establish the primary cause.

Research operations and quarantine measures will be the priority activities in the Simbu Province. CIC inspectors had been issued directives to implement the cherry ban immediately in the Simbu Province. Cherry Ban has come to the forefront at the boom gates where coffee quality is a major concern.

CIC, however, was forced to stop all field operations in the province due to shortage of funds. The Corporation has already used up K200,000 of its own money to respond to the emergency in Simbu province. This was at the expense of other research and extension programs.

Simbu province is the third major coffee producing province in the country accounting for up to 900 tonnes of coffee worth about K50 million.

The pest was reported to be feeding on coffee leaves and cherries, thus damaging the cherries and further, the quality of coffee. The magnitude of the problem is the same as Coffee Berry Borer because the bean is already infected.

Following damaged bean reports from farmers in the infested area on Monday 16 June 2008, CIC entomologist and other CIC provincial officers were immediately on the ground to carry out investigations in the area and confirmed the presence and destruction of a pest.

A submission was presented by the Kundiawa/Gembogl member, Honourable Joe Mek Teine, to the National Executive Council and the MP is adamant that funds would be given to combat the pest.

Let us know of your opinion on the stories and technical information printed in this newsletter by writing to the editor.

We also request informative news articles on coffee if you have any, please send them to:

The General Manager, CIC - Research & Grower Services Division, P O Box 470, UKARUMPA, EHP

Pilot coffee groups graduate

Two hundred farmers graduated after receiving training on coffee husbandry and financial management & bookkeeping under a joint venture project by the Australian Centre for International Agricultural Research (ACIAR), Australia's Curtin University of Technology and the Coffee Industry Corporation (CIC) earlier in September.

The ACIAR Marketing project (ASEM/042/2004), involved pilot groups from Eastern Highlands, Simbu and Western Highlands provinces: Emasa and Muturu Coffee Group from Eastern Highlands, Mindima Coffee Group from Simbu and Ruts Kopi, Segeri and Talu Coffee groups from the Western Highlands province.

The project began in 2004. Following a Participatory Rural Appraisal Program (PRAP) conducted by CIC, where farmers' needs and problems in coffee farming were identified. The training packages included the Personal Viability Training to put the mindset of the farmers in seeing coffee farming as a business and not just a seasonal activity. The packages involved training in rehabilitation & agronomy practises, coffee quality & marketing information, accessing donor agency & credit facilities and basic bookkeeping and financial management.

Project team leader, Peter Batt from ACIAR, said the graduation of the grower groups was the start of collaboration and cooperation between groups. He explained that each graduand was a smallholder farmer in their own right but individual marketing of coffee would bring them nowhere thus the need for group marketing existed.

Mr Batt said, "I hope this project will break the barriers between exporters and smallholder farmers to work together." Smallholder farmers need exporters, for this reason, the farmers must organise themselves and work with exporters. "Both the exporter and the farmer need to know how each other operates so the industry can go forward," stressed Mr Batt.

Despite the positiveness of the project, the challenge to link the farmer groups to the exporters remains.

CIC Manager for Farmer Training & Extension, Fabian Api, urged all the graduating coffee groups to keep being organised. CIC aims for farmers to gain better value for their coffee. Mr Api highlighted to the farmers that this present economy was cash-driven, a money economy, and that farmers must manage well the income they get from their coffee.

"The training you have received must first be implemented in your own gardens before you move out to help other farmers. The investment you make in your coffee gardens will pay off", encouraged Mr Api.

CIC Economist, Charles Dambui, also encouraged the farmers saying that the coffee market in PNG is very competitive and that growers must take advantage of this by increasing production and improve quality.

Group leader of Muturu Group in EHP, Nicholas Ello, expressed gratitude to the project partners for recognising his group to be a pilot of this project. Group leaders of the other pilot groups also expressed appreciation and pledged to make use of the training to enhance the industry as well as improve their living standards. Sam Kaima, group leader of the Ruts Kopi in WHP urged farmers to work closely with CIC for more "eye-opening" knowledge and skills on coffee and its market.

CIC beefs up quality measures

Coffee worth nearly K1,600 was burnt in Kundiawa town in September.

The coffees burnt were confiscated at the boom gates set up by the Coffee Industry Corporation (CIC) in Simbu Province during the pest outbreak in July.

Illegal cherry trading was a big problem in the province which concurrently affected the quality of Simbu coffee. Boom gates set up in the three locations of the province apprehended buyers and growers who were trading low quality coffee. Farmers deliberately harvested their unripe cherries and sold to cherry buyers as observed, resulting in poorer quality coffee.

The coffee bags were burnt at Lodge Paia in Kundiawa town. CIC officers, police, senior magistrate of Simbu, Mr Tony Gomia, and the general public were at the scene to witness this exercise.

Simbu police prosecutor cautioned the coffee public that the CIC Act empowered police to confiscate "bad" coffee and take the grower or buyer to court. The coffee will be forfeited to the state and destroyed. "The court has the power to fine the buyer or the grower of low quality coffee a fee of K500 to K5,000 or four years imprisonment."

CIC Research & Grower Services division manager, Mr Potaisa Hombunaka said that the burning of coffee was to emphasize the need for quality coffee, not only in Simbu but other coffee growing provinces as well. "This exercise has been done for the good of the growers to attain value for their coffee," said Mr Hombunaka. The CIC Act on trading of sub standard coffee is now been enforced in Simbu and will gradually cover all other coffee growing provinces.

He also urged PMV drivers and owners to be aware of transporting low quality coffee. "When the law confiscates the coffee being transported, the grower will not pay for transport and thus PMVs will also lose money."

Mr Hombunaka commended Simbu province for the improvement of coffee quality over the past three months. Cherry buying must stop as it was a trigger for other cross cutting social issues like homebrew where cherry is stolen and sold and the money used to buy ingredients for illegal beverage.

Currently in Simbu, CIC in collaboration with the law sector are inspecting coffee taken to the market. Growers and buyers of low quality coffee are apprehended and dealt with by law. The cherry ban policy is being effected as from 5th September 2008. The operation ceased in November 2008 but will restart again in the next coffee season.

Plans for Kerowagi coffee indus-

Big plans are underway for the coffee industry of Kerowagi district of Simbu province as the local MP, Honourable Guma Wau, announced his plan in October at the Mt. Wilhelm Lodge, Kundiawa.

Present at the gathering was the Chief Executive Officer of the Coffee Industry Corporation (CIC) Ltd, Mr. Ricky Mitio, General Manager-Research and Grower Services Division, Mr. Potaisa Hombunaka and Smallholder Coffee Growers Representatives from various district of Simbu Province and former CIC Board Chairman and prominent Simbu leader Mr. Waglio Goiye.

Mr. Goiye expressed gratitude for Honourable Member's positive focus on investing in the dynamic coffee industry now at its ailing trend.

"The member's comprehensive plans for coffee and associate infrastructure developments to create an enabling environment for sustainable growth of the coffee industry is absolutely on the right pathway," said a delightful Mr. Goiye.

Hon. Guma Wau, following deliberation of his district plans admitted that coffee has been the single most important cash crop for the Highlands people, and in particular, Simbu.

"I am allocating K1million under the District Services Improvement Program (DSIP) on economic sector component to operate soft loan facilities with Wau Micro Bank in consultation with the CIC Ltd" said the MP.

Another K200,000.00 allocation from the NADP will also diverted to coffee to support the CIC's District Coffee Rehabilitation Program and facilitation of loan scheme once payments received by the Provincial Department of Agriculture and Livestock (PDAL) through Simbu Provincial Treasury

He said smallholder farmers of Kerowagi would excess the facilities to conduct rehabilitation of senile coffee blocks, Nursery development, establishments of mini wet mills etc with the fundamental focus on increasing production of better quality coffee and generate adequate income to support living costs at this crucial time.

CIC CEO, Mr. Mitio responded by commending Honourable Wau of being visionary for the betterment of his electorate and a direct intervention to enhance the Government Medium Term Development Strategies (MTDS) and National Agriculture Development Plan (NADP) to induce economy growth. The CEO stressed investment on loan facility arrangement being more sustainable to revolve and serve wider coffee growers population in the district.

Morobe coffee industry moves on

Morobe coffee industry is set to achieve greater heights following the training of provincial district agriculture and livestock on coffee husbandry practises in October at the Division of Agriculture & Livestock (DAL) In-service Centre in Lae.

Emphasising a “paradigm shift” to drive the coffee industry and the agriculture sector forward through a change in the mindset of farmers and agriculturists, the training was facilitated by the Coffee Industry Corporation (CIC).

Morobe Provincial DAL Program Advisor, Mr Ottu Giria, pointed out during the graduation of the training in October that didiman extension work in the Morobe Province and the country was a tedious and tiring task.

“Now is a time for change, to shift from the traditional norm of doing extension work to innovative approaches,” said Mr Giria.

In his keynote address, CIC Chief Executive Officer, Mr Ricky Mitio, further stressed the importance of the agriculture sector as the sustainable and renewable resource sector.

“The people that drive the agriculture sector are the National DAL, Provincial DAL, commodity boards and the private sector. The onus is on us to make the difference,” said Mr Mitio.

The “paradigm shift” looks at networking through the Private-Public Partnership (PPP) concept to replace old didiman work and look at demand driven research and development services for the agriculture sector. The bottom line is to add value to the growers’ income.

The training has bridged a gap in coffee extension work, by getting stakeholders to network in partnership with CIC to grow the economy at the district level.

Through the PPP, the drivers of agriculture must educate themselves, change their mindset and network to make the difference because the same farmer is being served.

The training was attended by Morobe’s district DAL officers including a participant from Milne Bay Province. Fifty-eight participants completed the training.

K500,000 to rehabilitate Kundiawa/Gembogl coffee

Kundiawa/Gembogl District is expected to see a rise in coffee production in coming years when coffee rehabilitation work program commences in the district next year 2009.

K500,000 from the K3 million earmarked for coffee under the National Agriculture Development Plan (NADP) has been allocated for coffee rehabilitation work in Kundiawa/Gembogl District in Simbu Province. This was announced during the Kundiawa/Gembogl District Project launching initiated by the member, Honourable Joe Mek Teine, at the Dickson’s Oval in Kundiawa in November.

The Coffee Industry Corporation (CIC) Ltd will work in partnership with the district’s farmers to rehabilitate smallholder coffee farms with the aim to increase production.

CIC Chief Executive Officer, Mr Ricky Mitio, complimented the Kundiawa/Gembogl district member for his initiative in buying and distributing 104 coffee pulpers for his electorate. He congratulated the member for making coffee work and the restoration of the Highlands Highway a priority.

Mr Mitio challenged the people of Simbu to increase their coffee production as Simbu’s coffee industry’s annual export earnings have dropped from K70 million to K50 million.

Honorable Joe Mek Teine said as a leader, he aimed to make a difference for his people and encouraged other leaders to stand up for the interest of the people before the people become second class citizens in their own country.

Kundiawa/ Gembogl District was selected as a pilot for CIC’s District by District Coffee Rehabilitation Program, apart from Obura Wonenara in EHP and Anglimp South and Nondugl LLG of WHP.

Technical Information News

Design and Development of Smallholder Coffee Wet Factory Part 2: DESIGN PROCEDURE - DESIGN METHODOLOGY

Mr Nosare Maika
Mechanical Engineer

The last issue of the newsletter featured the design procedure of the smallholder coffee wet factory.

Introduction

This Part 2 shows the actual design procedure. It is guided by series of simple formulas suitable for lay person. It is important to establish a production factor 'y' in order to begin the design. Quality aspect of the final coffee output is integrated in the design and important processing stages are easily determined.

Production factor

Yearly cherry production = y
Daily cherry production = 0.02y

1.0 Pulper selection

Hourly rate = $\frac{0.02y}{h}$

h = Pulping hours

Compare the hourly rate in Table 1 to select pulper.

Table 1. Pulper selection data

Pulping hrs/day (safety limits)	Cap. (kg/hr)	Pulper type	Rate of water usage (l/kg)	Max. water usage per pulping hour (L)	Speed of pulper (rpm)
1-3	200	Drum hand pulper	5	3,000	10
1-3	600	Drum motorised pulper	6.5	11,700	25
1-5	1000	1-disc pulper	9.6	48,000	60
1-5	2000	2-disc pulper	9.6	96,000	120
1-10	3000	3-disc pulper	9.6	288,000	120
1-10	4000	4-disc pulper	9.6	384,000	120

2.0 Water requirement

Having selected the pulper, corresponding rate of water usage can be easily estimated from the table.

3.0 Cherry hopper

Volume of Hopper = $\frac{0.032y}{1000}$ m³

$$W = 1m, L = 2W, h_1 = \frac{\text{Volume}}{\text{Area}}, h_2 = 2h_1$$

4.0 Fermenting and soaking vats

Design data in Table 2 has been used to determine geometry of fermenting vats and washing channel.

Vat Volume = $\frac{0.014y}{1000}$ m³

It will require a minimum of one soaking and three fermenting vats.

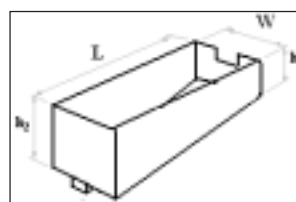


Figure 1. Fermenting vat

$$W = 0.5m, L = 2W, h_2 = 2h_1, h_1 = \frac{\text{Volume}}{\text{Area}}$$

5.0 Washing channel

Volume = $\frac{0.014y}{1000}$ m³

$$W = 0.5m, L = 3W, \text{Area} = L \times W, h = \frac{\text{Volume}}{\text{Area}}$$

6.0 Drying space

Parchment bulk volume: = $\frac{0.012y}{1000}$ m³

Drying area: = $\frac{0.012y}{6}$ m²

No. of drying tables: = $\frac{0.012y}{240}$

Part 3 of the design is a case study that will be featured in the next issue

CIC Publications

CIC - Education & Training Publications

- | | |
|---|---|
| 1. Upper Primary Coffee Units
(Dr Parapi A, Aroga Leo, 2008, CIC RGSD) | 3. Teachers Resource Book for Upper Primary Schools
(Dr Parapi A, Aroga Leo, 2008, CIC RGSD) |
| 2. Secondary Coffee Units
(Dr Parapi A, Aroga Leo, 2008, CIC RGSD) | 4. Teachers Resource Book for Secondary Schools
(Dr Parapi A, Aroga Leo, 2008, CIC RGSD) |
| 5. CIC-PNG Coffee Industry Strategic Plan (2008-2018) | |

Annual Reports

- | | |
|---|--|
| 6. CIC Research & Grower Services Division
2005 Annual Report (2008) | 7. Coffee Industry Corporation Ltd
2007 Annual Report |
| 8. Coffee Industry Corporation Ltd
2003 Annual Report | |

Coffee Reports

- | | |
|---|--|
| 9. Coffee Report No. 67, Aug 2006,
Charles Dambui, et al. (2006) | 12. Coffee Report No. 70, June 2007,
Charles Dambui, et al. (2007) |
| 10. Coffee Report No. 68, Nov. 2006,
Charles Dambui, et al. (2006) | 13. Coffee Report No. 71, Nov. 2007,
Charles Dambui, et al. (2007) |
| 11. Coffee Report No. 69, March. 2007,
Charles Dambui, et al. (2007) | 14. Coffee Report No. 72, March 2008,
Charles Dambui, et al. (2008) |

Coffee Discussion Paper (CDP)

- | | | |
|---|------------|---|
| 15. A review of smallholder group marketing scheme | CDP No. 25 | (Umetrifo, B, ISBN 9980-913-03-7, 2001) |
| 16. The international coffee agreement 2001 | CDP No. 26 | (Wheeler, M, A, ISBN 9980-913-04-5, 2001) |
| 17. Analysis of the technical efficiency of estate coffee production in Papua New Guinea, 1993-1995
(Kufinale, K, Fleming, E, M, ISBN 9980-913-05-2, 2002) | | CDP No. 27 |
| 18. Analysis of the technical efficiency of coffee processing in Papua New Guinea
(Kufinale, K, Fleming, E, M, ISBN 9980-913-06-1, 2002) | | CDP No. 28 |
| 19. Niche markets | CDP No. 29 | (Wheeler M, A, Kufinale, K, Alu, M, ISBN 9980-913-07-X, 2003) |
| 20. The price of Papua New Guinea coffee | CDP No. 30 | (Wheeler M, A, Kufinale, K, ISBN 9980-913-08-X, 2005) |

Participatory Rural Appraisal Planning (PRAP) Report

21. **Apomaka Coffee Growers** of Obura Wonenara District, EHP, (Alu J, Mapua S, Bore W, Kohe D, July 2008)
22. **Awanas Qwanana Coffee Growers Group** of Raicoast District, Madang Province (Puke P, Saika A, September 2008)
23. **Baha Coffee Group** of Sohe District, Oro Province, (Weoh A, Kalya J, May 2008)
24. **Barokira Coffee Growers** of Obura Wonenara District, EHP, (Alu J, Mapua S, Kohe D, July 2008)
25. **Bioka Coffee Growers** of Obura Wonenara District, EHP, (Alu J, Mapua S, Rodney P, Kohe D, July 2008)
26. **Fomu Clan Cooperative** of Kainantu District, EHP, (Alu J, Kohe D, July 2008)
27. **Geleto Coffee Growers** of Unggai Bena District, EHP, (Alu J, Mapua S, July 2008)
28. **Harange Coffee Growers** of Sohe District, Oro Province (Weoh A, Kalya J, May 2008)
29. **Hataisiwa Coffee Growers** of Anglimp South Waghi District, WHP, (Ningiramo A, Mamp H, October 2007)
30. **Hogonufa Integrated Project** of Goroka District, EHP, (Alu J, Mapua S, Kohe D, July 2008)
31. **Honbi Kuipi Coffee Growers** of Anglimp South Waghi District, WHP, (Ningiramo A, Mamp H, October 2007)
32. **Kamil Coffee Growers** of Jimi District. WHP, (Ningiramo A, Mamp H, November 2007)
33. **Kange Doa Coffee Growers** of Tambul Nebilyer District, WHP, (Ningiramo A, Mamp H, October 2007)
34. **Karosa Coffee Growers** of Henganofi District, EHP, (Alu J, Mapua S, July 2008)
35. **Kindeng Coffee Growers** of Anglimp South Waghi District, WHP, (Ningiramo A, Mamp H, April 2007)
36. **Lufa Organic Coffee Growers Cooperative** of Lufa District, EHP, (Alu J, Mapua S, July 2008)
37. **Mako Coffee Growers** of Jimi District. WHP, (Ningiramo A, Mamp H, April 2007)
38. **Mumuni Dapari Group** of Sohe District, Oro Province (Weoh A, Kalya J, May 2008)
39. **Nembi Valley Coffee Growers** of Nipa Kutubu District, SHP, (Natilu M, Siwi H, April 2008)
40. **Nika Coffee Growers** of Obura Wonenara District, EHP, (Alu J, Mapua S, Bore W, Kohe D, July 2008)
41. **Numa Coffee Growers** of Afore, Oro Province, (Weoh A, Kalya J, July 2008)
42. **Paunda Coffee Growers** of Tambul Nebilyer District, WHP, (Ningiramo A, Mamp H, October 2007)
43. **Sugu Coffee Cooperative** of Kagua Erave District, SHP, (Natilu M, Siwi H, April 2008)
44. **Ufetojumaga Group** of Goroka District, EHP, (Alu J, Mapua S, Kohe D, July 2008)

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